

PATENT ABSTRACTS OF JAPAN

(11)Publication number : 11-267570  
(43)Date of publication of application : 05.10.1999

---

(51)Int. Cl. B05C 5/02  
B05D 1/26

---

(21)Application number : 11-032981 (71)Applicant : FUJI PHOTO FILM CO LTD  
(22)Date of filing : 10.02.1999 (72)Inventor : SHIBATA TOKUO  
SUZUKI AKIHIRO  
TAKAHASHI SHINSUKE  
TOMARU MIKIO

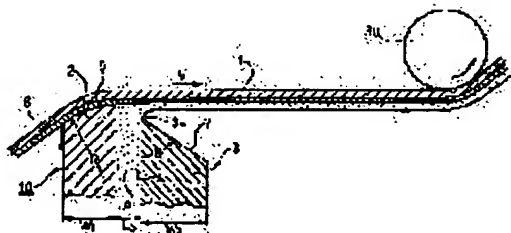
---

(54) COATER AND COATING METHOD

(57)Abstract:

PROBLEM TO BE SOLVED: To provide a coater and a coating method which can produce a thin layer-coated product which has a uniform coating film thickness and is free from nonuniformity failure stably at a high speed.

SOLUTION: A coating liquid A is applied on the coating surface of a support 1, with a liquid 6 mainly consisting of an organic solvent applied in advance on the coating surface to seal liquid, by an extrusion type application head 10 having a front edge 2 positioned on the upstream side to the support transfer direction V and at least one back edge 3 which is located on the downstream side, forms a slit between it and the front edge of which is positioned to retreat in the anti-support direction from the tangent in the slit outlet part of the front edge 2. The clearance precision in the support width direction of the slit for discharging the coating liquid A is set up to be 5% or below of a clearance average, and the straightness in the support width direction of each edge face 5, 7 of the front edge 2 and the back edge 3 is set up to be 30  $\mu$ m or below.



---

LEGAL STATUS

[Date of request for examination] 10.02.1999  
[Date of sending the examiner's decision of rejection] 22.05.2002  
[Kind of final disposal of application other than the examiner's decision of

rejection or application converted  
registration]

[Date of final disposal for application]

[Patent number] 3355144

[Date of registration] 27. 09. 2002

[Number of appeal against examiner's  
decision of rejection] 2002-11461

[Date of requesting appeal against  
examiner's decision of rejection] 21. 06. 2002

[Date of extinction of right]

Copyright (C); 1998, 2003 Japan Patent Office